

**RESULTS 1**  
**AI978199/c** 442 bp mRNA EST 27-AUG-1999  
**LOCUS** 614041D10.x2 614 - root cDNA library from Walbot Lab; Zea mays cDNA,  
**DEFINITION** mRNA sequence.  
**ACCESSION** AI978199  
**VERSION** AI978199.1 GI:5791407  
**KEYWORDS** EST.  
**SOURCE** Zea mays.  
**ORGANISM** Zea mays  
**DP** 442  
**REFERENCE** 1 (bases 1 to 442)  
**DP** 442  
**AUTHORS** Walbot, V.  
**TITLE** Maize ESTs from various cDNA libraries sequenced at Stanford  
**UNIVERSITY** University  
**JOURNAL** Unpublished (1999)  
**COMMENT** Contact: Walbot V  
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 Stanford University  
 855 California Ave, Palo Alto, CA 94304, USA  
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 Fax: 650 725 8221  
 Email: walbot@stanford.edu  
**FEATURES** Location/Qualifiers  
 source 1..442  
 /organism="Zea mays"  
 /cultivar="W23"  
 /db\_xref="taxon:4577"  
 /clone\_lib="614 - root cDNA library from Walbot Lab"  
 /tissue\_type="root"  
 /dev\_stage="3-4 days old"  
 /lab\_host="XL0LR"  
 /note="Organ: root; Vector: pBlueScriptII SK+; Site\_1:  
 EcoRI; Site\_2: XhoI; 3-4 days old root tissue from Walbot  
 Lab (LM)"  
**BASE COUNT** 126 a 107 c 93 g 116 t  
**ORIGIN**

Query Match 99.5%; Score 331.4; DB 104; Length 442;  
 Best Local Similarity 99.7%; Pred. No. 5e-85;  
 Matches 332; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB	400	TGATAATCTTGTCCATCCTTGGAACGAGGGTCCACTTGGGCTCTTTAAGGGCGCGATCC	341
QY	61	ccggcttcttctggattgctcctcttggagcaatgaacttgcaggctatgagcttgcca	120
DB	340	CCCGCTTCTTCTGGATTGCTCCTCTTGAGCAATGAACCTTGCAGGCTATGAGCTTGCCA	281
QY	121	agaaggcaatgataaaagatgagaaaaattccagtgagtcaacacgagagatcttgccaa	180
DB	280	AGAAGGCAATGATAAAAGATGAGAAAAATTCCAGTGAGTCAACACGAGAGATCTTGCCAA	221
QY	181	gaaagcagtgatcaaccatgcaactttttttattttttgggtccatgttgcagagaa	240
DB	220	GAAAGCAGTGATCAACCATGCAACTTTTTTATTATTTTGGGTCCATGTTGCAGAGAA	161
QY	241	gcaacagaacatctgcctttttttgatattgggaattacattcccgtagggccttgagat	300
DB	160	GCAACAGAACATCTGCCTTTTTTGTATTTGGGAATTACATTCCCGTAGGGCCTTGAGAT	101
QY	301	ggctgtatagtatacattacatgagaaaagtgc	333
DB	100	GGCTGTATAGTATACATTACATGAGAAAAGTGC	68

AI734448/c  
 LOCUS AI734448 582 bp mRNA EST 02-FEB-2000  
 DEFINITION 606031E07.x1 606 Ear tissue cDNA library from Schmidt lab Zea mays cDNA, mRNA sequence.  
 ACCESSION AI734448  
 VERSION AI734448.1 GI:5055561  
 KEYWORDS EST.  
 SOURCE Zea mays.  
 ORGANISM Zea mays  
 Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoideae; Andropogoneae; Zea.  
 REFERENCE 1 (bases 1 to 582)  
 AUTHORS Walbot,V.  
 TITLE Maize ESTs from various cDNA libraries sequenced at Stanford University  
 JOURNAL Unpublished (1999)  
 COMMENT Contact: Walbot V  
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 Email: walbot@stanford.edu  
 Plate: 606031 row: E column: 07.  
 FEATURES  
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 /organism="Zea mays"  
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 /lab\_host="XL0LR (Stratagene)"  
 /note="Organ: immature ear; Vector: pBK-CMV; Site\_1: EcoRI; Site\_2: XhoI; Mixed ear tissue cDNA library from Schmidt lab"  
 BASE COUNT 158 a 131 c 122 g 170 t 1 others  
 ORIGIN

Wed May 9 10:01:21 2001

us-09-619-643-5.rst

Query Match 99.0%; Score 329.8; DB 24; Length 582;  
 Best Local Similarity 99.4%; Pred. No. 1.5e-84;  
 Matches 331; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      61  ccggtctcttctggattgctcctcttggagcaatgaactttgcaggctatgagcttgcca 120
      |||
Db    427  CCGGCTTCTTCTGGATTGCTCCTCTTGAGCAATGAACTTTGAGGCTATGAGCTTGCCA 368

Qy     121  agaaggcaatgataaaagatgagaaaaattccagtgaagcaacacgagagatcttgccaa 180
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Db    367  AGAAGGCAATGATAAAAGATGAGAAAAATTCAGTGAGTCAACACGAGAGATCTTGCCAA 308

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Qy     241  gcaacagaaacatctgccttttttgatattgggaattacattcccgtagggccttgagat 300
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Qy     301  ggctgtatagtatacattacatgagaaaagtgc 333
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Db    187  GGCTGTATAGTATACATTACATGAGAAAAGTGC 155

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